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Atty Dkt. No.: 10971150-2
USSN: 10/080,641

AMENDMENTS TO THE CLAIMS

Please incorporate the following amendments to the subject application.

In the Claims:

1-31. (Canceled)

32. (Currently Amended) An apparatus for interrogating an addressable array of multiple features of different biopolymeric moieties, comprising:

(a) an adjustable detection angle detector system comprising more than one detector each of which is aligned with an emission filter that filters out light of an interrogating wavelength such that each detector of the detection system detects light of different wavelengths at respective different detection angles with an optical axis aligned at each detection angle, wherein said system is configured for positioning at least one of said more than one detectors at a site for receiving a constructively interfering emission from an array having a reflective coating, wherein said system is further configured for determining said position for receiving a constructively interfering emission; and

(b) a processor programmed to receive signals from the detector system and correlate the received signals with respective biopolymeric features of the array.

33. (Original) An apparatus according to claim 32 additionally comprising a light source to provide an interrogating light in response to which the features emit the light of different wavelengths.

34-35. (Canceled)

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36. (Original) An apparatus according to claim 32 additionally comprising a reader to read a code carried by an array unit, and a processor which causes the detector system to detect emitted light at a detection angle based on the read code.

37. (Original) An apparatus according to claim 33 wherein the light source produces a spot of light at the array, the apparatus additionally comprising a scanning system which scans the interrogating light spot across the array.

38-54. (Cancelled)

55. (Previously Presented) An apparatus according to claim 32 wherein said apparatus further includes an addressable array of multiple features of different biopolymeric moieties and a reflective coating.

56-59. (Cancelled)

60. (Previously Presented) An apparatus according to claim 33, wherein said interrogating light source is configured for being adjusted in a manner sufficient to constructively illuminate a feature with both reflected and non-reflected light.

61. (Previously Presented) An apparatus according to claim 55, wherein said array is forward of said reflective coating.